

Light efficiency:



Output: 1433 lm

Light quality:

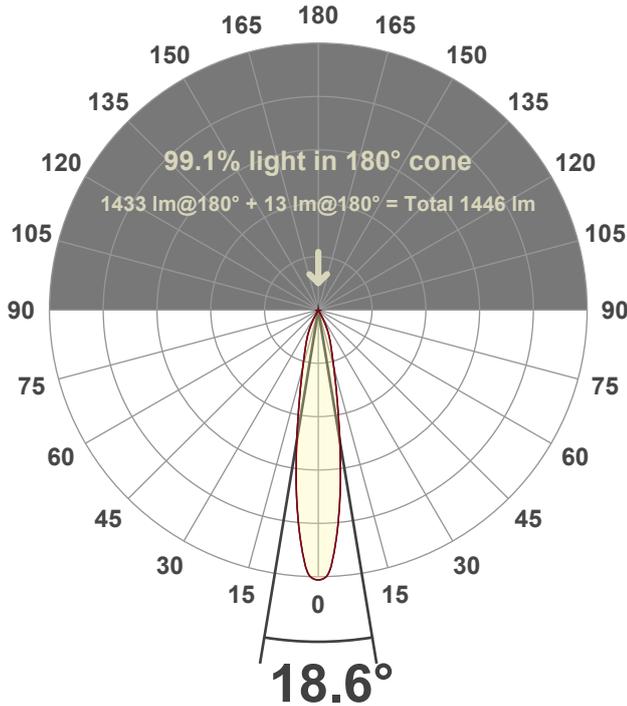


Peak: 8344 cd

Power: 22.1 W



Beam angle



Test number:

GR-SQ-AD20-2722-SP

Luminaire Model:

Graffiti Regress Square Downlight-AD20-2722-Spot

Date and time:

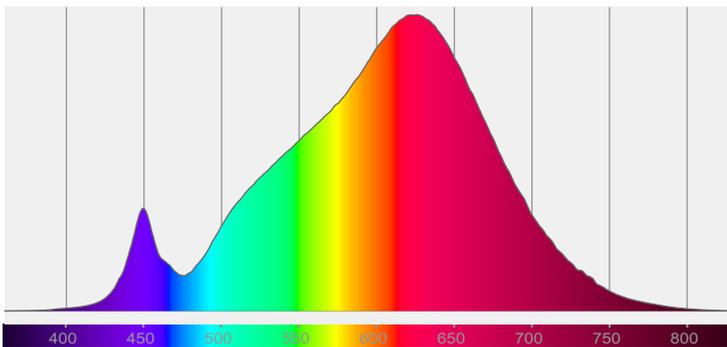
2/17/2026 11:53:45 AM

LUM: 1433

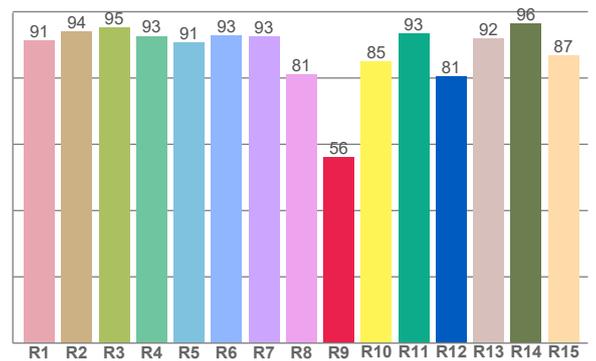


\*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	91.3	56.2	91.1	100.3	89.3	0.464	0.415	0.263	0.353	0.0014

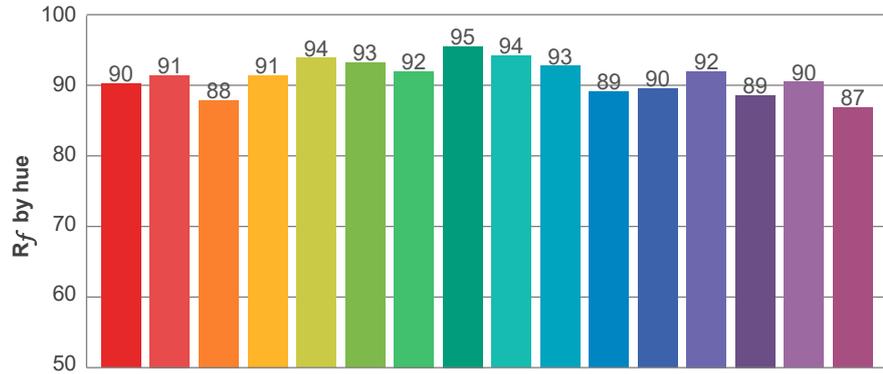
**$R_f$  91.1**  
Fidelity index  $R_f$

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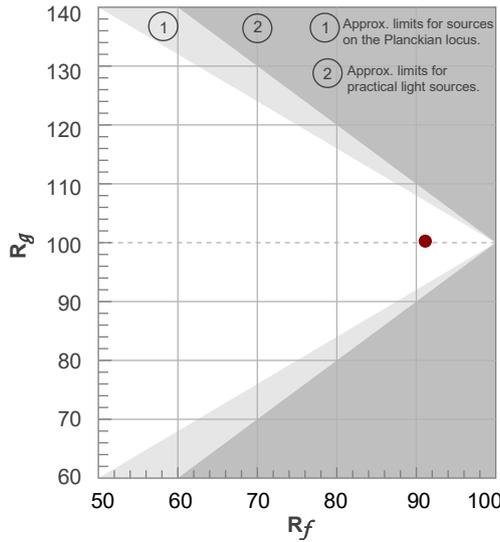
**$R_g$  100.3**  
Gammut index  $R_g$

TM30: 91.1

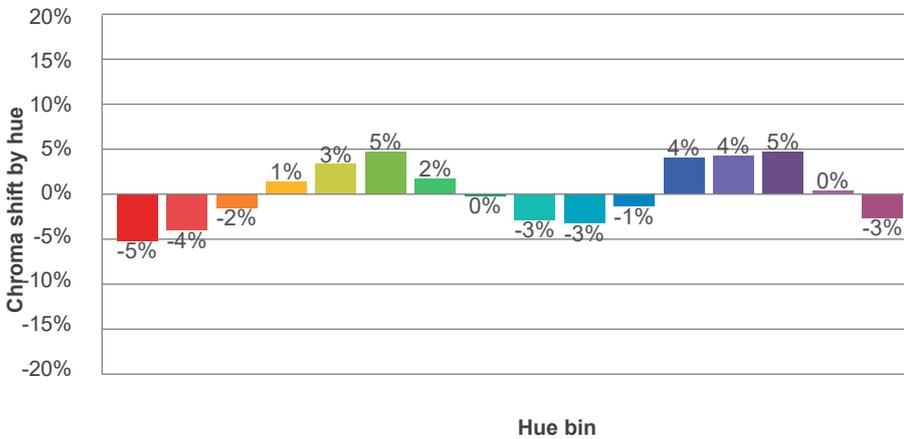
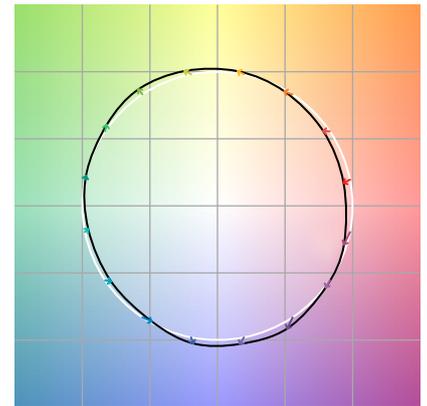
TM-30Color



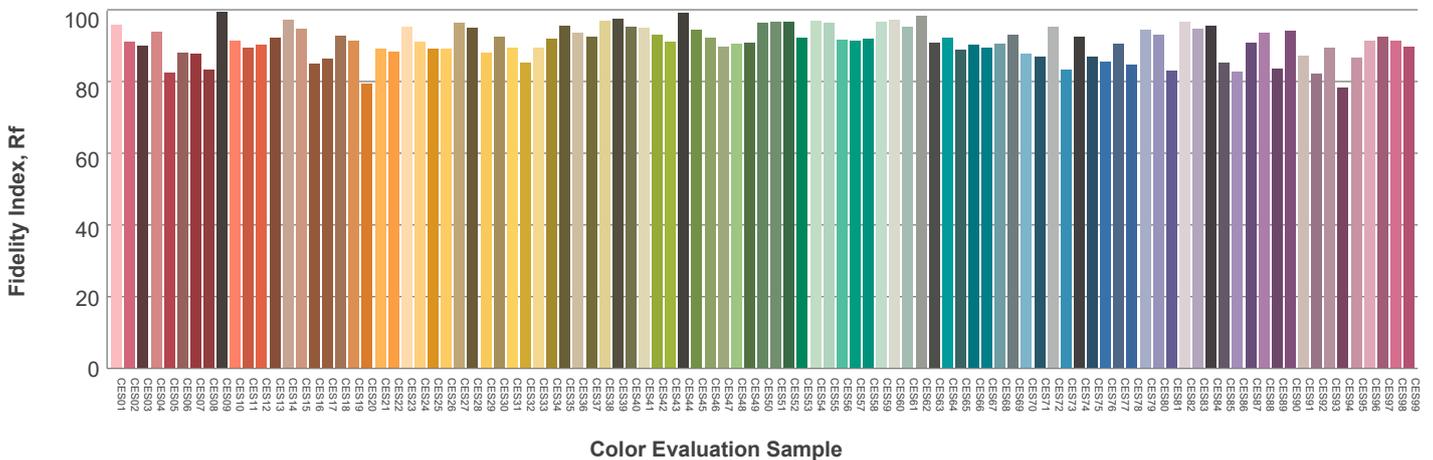
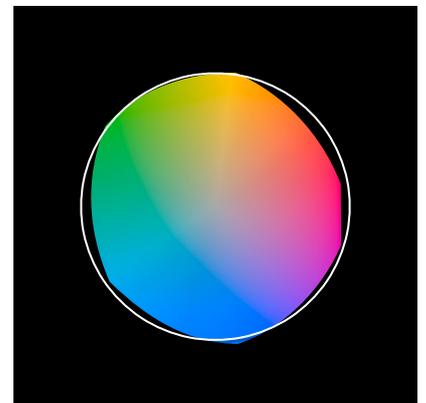
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-2%	6%
4	91	1%	5%
5	94	3%	4%
6	93	5%	1%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



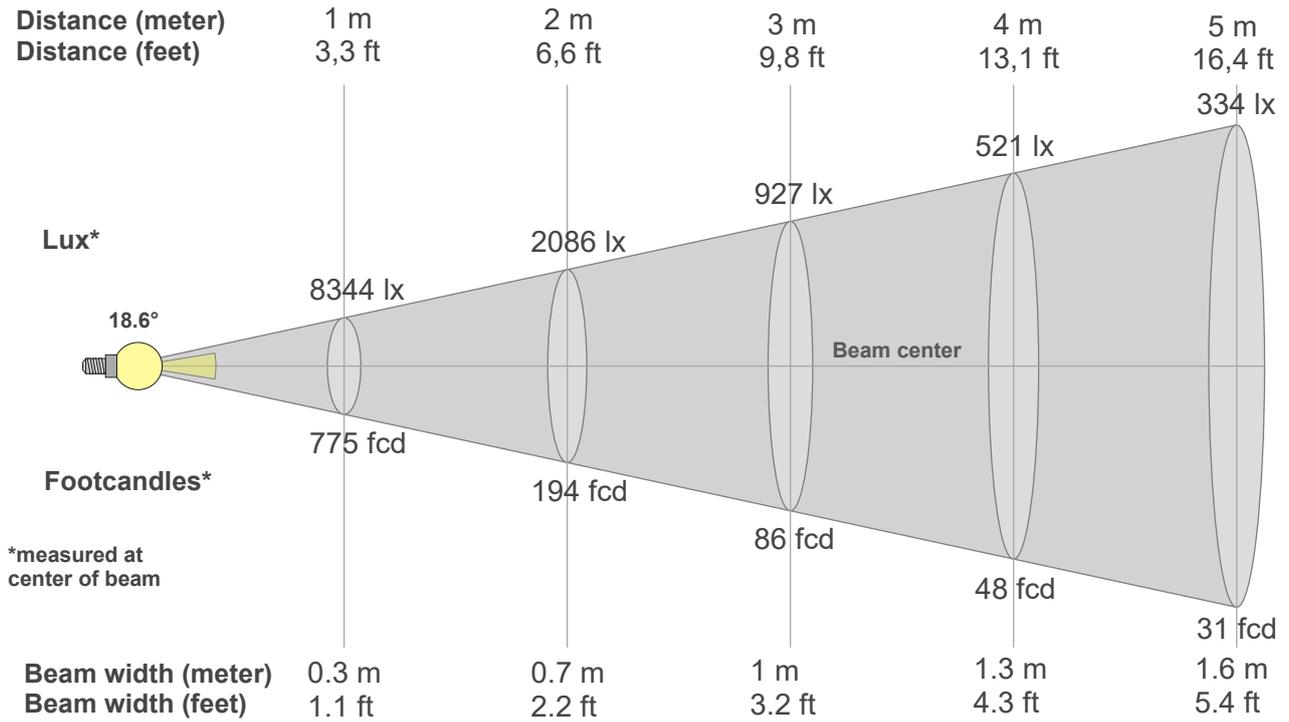
Color vector graphics



Color distortion



### Beam details



#### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
8344lx	2086lx	927lx	521lx	334lx	232lx	170lx	130lx	103lx	83lx	69lx	58lx	49lx	43lx	37lx	33lx	29lx	26lx	23lx	21lx
775.2fcd	193.8fcd	86.1fcd	48.4fcd	31fcd	21.5fcd	15.8fcd	12.1fcd	9.6fcd	7.8fcd	6.4fcd	5.4fcd	4.6fcd	4fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd

#### Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8344	8290	7425	6258	4992	3807	2837	2137	1682	1366	1127	928	738	533	337	178	84	43	31	22
100%	99%	89%	75%	60%	46%	34%	26%	20%	16%	14%	11%	9%	6%	4%	2%	1%	1%	0%	0%

#### Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8344	8290	7425	6258	4992	3807	2837	2137	1682	1366	1127	928	738	533	337	178	84	43	31	22
100%	99%	89%	75%	60%	46%	34%	26%	20%	16%	14%	11%	9%	6%	4%	2%	1%	1%	0%	0%

#### Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8344	8290	7425	6258	4992	3807	2837	2137	1682	1366	1127	928	738	533	337	178	84	43	31	22
100%	99%	89%	75%	60%	46%	34%	26%	20%	16%	14%	11%	9%	6%	4%	2%	1%	1%	0%	0%

#### Intensities in 270° c-plane

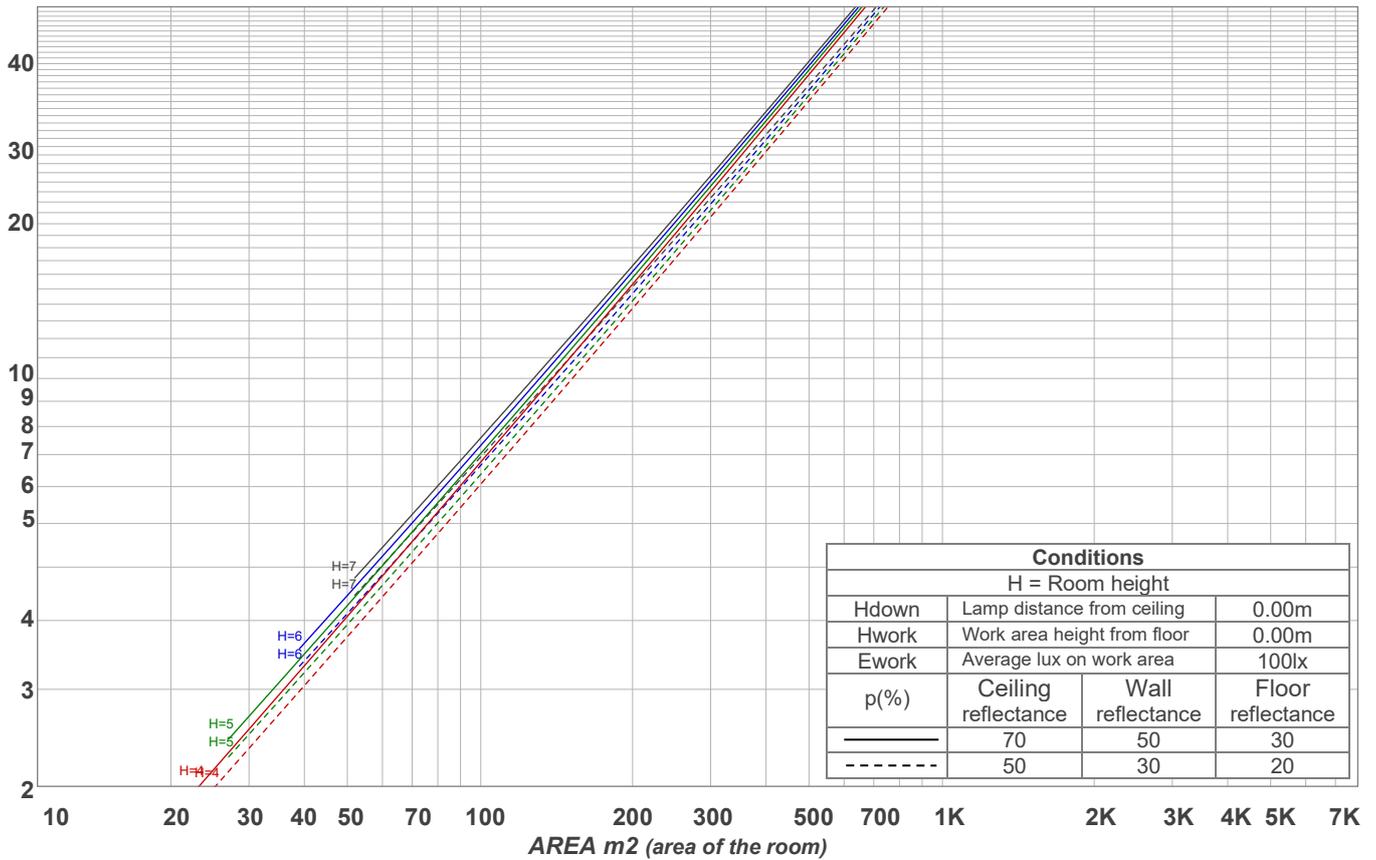
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8344	8290	7425	6258	4992	3807	2837	2137	1682	1366	1127	928	738	533	337	178	84	43	31	22
100%	99%	89%	75%	60%	46%	34%	26%	20%	16%	14%	11%	9%	6%	4%	2%	1%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.6°	46°	59.2°	99.4%	98.8%

LAMPS (number of lamps)

50

## Light planning Luminaire budgetary diagram



### Luminaire budgetary diagram AREA m2 (area of the room) Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97	
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90	
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	
5	101	96	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	
8	93	87	83	80	92	86	82	80	85	82	79	85	81	79	84	81	79	78	
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	
10	89	82	78	76	88	82	78	75	81	78	75	80	77	75	80	77	75	74	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
553 lm	550 lm	279 lm	29.8 lm	8.29 lm	5.55 lm	3.27 lm	2.00 lm	2.86 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm

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